If you are using a printed copy of this procedure, and not the on-screen version, then you <u>MUST</u> make sure the dates at the bottom of the printed copy and the on-screen version match.

The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.

Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ

Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.2.b 2 O'Clock (PEER 11) Gate Tests

C-A-OPM Procedures in which this Attachment is used.				
4.120.2				

Hand Processed Changes

HPC No.	<u>Date</u>	Page Nos.	<u>Initials</u>	
		-		
	Approved:	Signature on File		
		llider-Accelerator Departm	nent Chairman	Date

4.120.2.b 2 O'Clock (PEER 11) Gate Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:	Checksum:
Division B Software Filename and Checksum: Title:	Checksum:
<u>Initial testing complete</u> :	
Test Team Leader's Name (Print):	Life Number:
Test Team Leader's Name (Sign):	Date:/
Acceptance test procedure complete (following repairs and retesting if required):	
Test Team Leader's Name (Print):	Life Number:
Test Team Leader's Name (Sign):	Date:/
Test results reviewed by:	
Safety Section Head's Name (Print):	Life Number:
Safety Section Head's Name (Sign):	Date:/
Test results accepted by Radiation Safety Committee:	
RSC Member's Name (Print):	Life Number:
RSC Member's Name (Sign):	Date:/

1.1 CONDUCT Visual check on Peer 11 gates following Table-1, below

	Micro Switch		Elec Gate		Gate Functions			Verify all x's	Inspn O.K.	
Gate	Align	Opern	Wiring	Box	Lights	Open	Self- Closing	Latch	Corr.	Init.
1GS1I										
1GS10										
1EL1										
1GI1										
2MD1										
2GE1										
2MD2										
2GI1I										
2GI1O										
2GE2										
2MD3										
2EL1										
2ED1										
3GI1I										
3GI1O										

Legend: Tick = O.K. x = Problem N/A = Not Applicable

Table 1: Summary of Physical Inspection of Peer 11 Gates

1.2 Test INNER GATE at 1GS1:

VERIFY PLACE	Gate has been inspected PEER 13 in Restricted Access (Mode 8)	
VERIFY PLACE	PEER 13 is in Restricted Access PEER 11 in Controlled Access (MODE 16)	MODE 8
VERIFY VERIFY	PEER 11 is in Controlled Access The warning lights and LED message: Stop Call	MODE 16
	MCR for Access X-7400 Stop on both sides of the gate are	ON
OPEN VERIFY	The gate Operator Interface sees the gate is	OPEN
HOLD VERIFY	Both of the PEER 11 gate micro switches Operator Interface sees the gate is	MADE CLOSED
RELEASE VERIFY HOLD	Div A PEER 11 micro switch Operator Interface indicates Div A Both of the PEER 11 gate micro switches	OPEN MADE
VERIFY RELEASE	Operator Interface sees the gate is Div B PEER 11 micro switch	CLOSED
VERIFY CLOSE	Operator Interface indicates Div B The gate	OPEN
VERIFY VERIFY	Operator Interface sees the gate is The 1Z1 gate box Gate Reset light is	CLOSED OFF
RESET VERIFY	The gate with #15 RC Sweep key at 1Z1 inner gate box Operator Interface sees the gate is	RESET
VERIFY OPEN	The 1Z1 gate box Gate Reset light is The gate	ON
VERIFY VERIFY CLOSE	Operator Interface sees the gate is The 1Z1 gate box Gate Reset light is The gate	OPEN OFF
PLACE VERIFY VERIFY	PEER 11 in Controlled Access (MODE 17) PEER 11 is in Controlled Access The warning lights and LED message: Stop Call	MODE 17
	MCR for Access X-7400 Stop on both sides of the gate are	ON
PLACE VERIFY VERIFY	PEER 11 in Restricted Access (Mode 8) PEER 11 is in Restricted Access LED message: Access permitted is	MODE 8 ON
PLACE VERIFY VERIFY	PEER 11 in Safe Access (Mode 2) PEER 11 is in Safe Access The warning lights and LED message: Stop Call	MODE 2
	MCR for Access X-7400 Stop on both sides of the gate are	ON

1.3 Test OUTER GATE at 1GS1:

PLACE	PEER 11 in Controlled Access (MODE 16)	
VERIFY	PEER 11 is in Controlled Access	MODE 16
VERIFY	The warning lights on both sides of the gate indicate:	
	Call MCR for Crossover	ON
OPEN	The gate	
VERIFY	Operator Interface sees the gate is	OPEN
HOLD	Both of the PEER 11 gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A PEER 11 micro switch	
VERIFY	Operator Interface indicates Div A	OPEN
HOLD	Both of the PEER 11 gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B PEER 11 micro switch	
VERIFY	Operator Interface indicates Div B	OPEN
CLOSE	The gate	
VERIFY	Operator Interface sees the gate is	CLOSED

☐ CHECK for test acceptance of OUTER GATE at 1GS1

1.4 Test ESCAPE DOOR at 1EL1:

VERIFY	Gate has been inspected	
VERIFY	The door cannot be opened from	OUTSIDE
PLACE	PEER 11 in Controlled Access (MODE 16)	
VERIFY	PEER 11 is in Controlled Access	MODE 16
OPEN	The door	
VERIFY	Operator Interface sees the door is	OPEN
SECURE	The Security Bar micro switch	MADE
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A door micro switch	
VERIFY	Operator Interface indicates Div A	OPEN
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B door micro switch	
VERIFY	Operator Interface indicates Div B	OPEN
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the door is	CLOSED
RELEASE	The Security Bar micro switch	
VERIFY	Operator Interface sees the door is	OPEN
CLOSE	The door and latch the Security Bar	
VERIFY	The 1EL1 Door Reset light is	OFF
RESET	The Door with #15 RC Sweep key at 1EL1 gate box	
VERIFY	Operator Interface sees the 1EL1 door is	RESET
VERIFY	The 1EL1 Door Reset light is	ON
OPEN	The door	
VERIFY	Operator Interface sees the door is	OPEN
VERIFY	The 1EL1 gate box Gate Reset light is	OFF
CLOSE	The door	
VERIFY	Operator Interface sees the door is	CLOSED
VERIFY	The 1EL1 gate box Gate Reset light is	OFF

☐ CHECK for test acceptance of ESCAPE DOOR at 1EL1

1.5 Test of INNER G	ATE at 1GI1		
	VERIFY	INNER Gate at 1GI1 has been inspected	
	PLACE	PEER 11 in Controlled Access (MODE 16)	
	VERIFY	PEER 11 is in Controlled Access	MODE 16
	VERIFY	The warning lights and LED message: Stop Call	
		MCR for Access X-7400 Stop on 1Z1 side of the	
		gate are	ON
	VERIFY	The 2Z1 gate box Controlled Access light is	ON
	OPEN	Gate 1GI1 with Simultaneous Release and #14 CA	
		Key	
	VERIFY	Simultaneous Release Buzzer	SOUNDS
	VERIFY	Gate 1GI1 is	OPEN
	VERIFY	Operator Interface sees the gate is	OPEN
	SECURE	The Electric Strike micro switch	MADE
	HOLD	Both of the gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE	Div A micro switch	
	VERIFY	Operator Interface indicates Div A	OPEN
	HOLD	Both of the gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE	Div B micro switch	
	VERIFY	Operator Interface indicates Div B	OPEN
	HOLD	Both of the gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE	The Electric Strike micro switch	
	VERIFY	Operator Interface sees the gate is	OPEN
	CLOSE	The gate	
	VERIFY	Operator Interface sees the gate is	CLOSED
	VERIFY	The 2Z1 gate box Gate Reset light is	OFF
	RESET	The gate with #15 RC Sweep key at 2Z1 inner gate	
_	********	box	DECEM
	VERIFY	Operator Interface sees the gate is	RESET
	VERIFY	The 2Z1 gate box Gate Reset light is	ON
_	OPEN	The gate	OPEN
	VERIFY	Operator Interface sees the gate is	OPEN
	VERIFY	The 2Z1 gate box Gate Reset light is	OFF
	CLOSE	The gate	
	PLACE	PEER 11 in Controlled Access (MODE 17)	
	VERIFY	PEER 11 is in Controlled Access	MODE 17
	VERIFY	The 2Z1 gate box Controlled Access light is	ON
	VERII I	The 221 gate box controlled recess light is	OIV
	VERIFY	The warning lights and LED message: Stop Call	
_		MCR for Access X-7400 Stop on 1Z1 side of the	
		gate are	ON
	VERIFY	Attempt to open gate 1GI1 from 2Z1 with the #14	
		RC CA key and Simultaneous Release	SUCCESSFUL
	CLOSE	Gate 1GI1	

PLACE

VERIFY

VERIFY

VERIFY

VERIFY

key is

PEER 11 in Restricted Access (Mode 8)

The 2Z1 gate box Restricted Access light is

The LED message: Access Permitted on the 1Z1

Attempt to open gate 1GI1 from 2Z1 side with ${\bf S}$

PEER 11 is in Restricted Access

SUCCESSFUL

MODE 8

ON

ON

VERIFY	Attempt to open Gate 1GI1 with #14 RC CA key is	SUCCESSFUL
	15	BUCCESSFUL
VERIFY	Attempt to open 1GI1 with Blue card is	SUCCESSFUL
VERIFY	Attempt to open 1GI1with Exptcard	FAIL
VERIFY	During attempt with Expt. Card Reader light is	RED
PLACE	PEER 11 in Safe Access (Mode 2)	
VERIFY	PEER 11 is in Safe Access	MODE 2
VERIFY	The 2Z1 gate box Controlled Access light is	ON
VERIFY	The warning lights and LED message: Stop Call	
	MCR for Access X-7400 Stop on 1Z1 side of the	
	gate is	ON
VERIFY	Attempt to open gate 1GI1 with Simultaneous	
	Release and S Key	FAIL
OPEN	Gate 1GI1 with Simultaneous Release and #14	
	CA Key	
VERIFY	Gate 1GI1 is	OPEN
CLOSE	Gate 1GI1	

☐ CHECK for test acceptance of INNER GATE at 1GI1

1.6 Test OUTER GATE at 1GI1: DEED 11 in Controlled Ac

PLACE	PEER 11 in Controlled Access (MODE 16)	
VERIFY	PEER 11 is in Controlled Access	MODE 16
VERIFY	The warning light on 1Z1 side of the gate indicate:	
	Call MCR for Crossover Amber	ON
OPEN	The gate	
VERIFY	Operator Interface sees the gate is	OPEN
SECURE	The Electric Strike micro switch	MADE
HOLD	Both of the gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A micro switch	
VERIFY	Operator Interface indicates Div A	OPEN
HOLD	Both of the gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B micro switch	
VERIFY	Operator Interface indicates Div B	OPEN
HOLD	Both of the gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	The Electric Strike micro switch	
VERIFY	Operator Interface sees the gate is	OPEN

☐ CHECK for test acceptance of OUTER GATE at 1GI1

1.7 Test of TRENCH GATE at 2MD1

VERIFY	Gate has been inspected	
PLACE	PEER 11 in Controlled Access (MODE 16)	
VERIFY	PEER 11 is in Controlled Access	MODE 16
OPEN	The gate	
VERIFY	Operator Interface sees the gate is	OPEN
HOLD	Both gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A micro switch	
VERIFY	Operator Interface indicates Div A	OPEN
HOLD	Both gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B micro switch	
VERIFY	Operator Interface indicates Div B	OPEN
CLOSE	The gate	
VERIFY	Operator Interface sees the gate is	CLOSED
VERIFY	The gate box Gate Reset light is	OFF
RESET	The gate with #15 RC Sweep key	
VERIFY	Operator Interface sees the gate is	RESET
VERIFY	The gate box Gate Reset light is	ON
OPEN	The gate	
VERIFY	Operator Interface sees the gate is	CLOSED
VERIFY	The gate box Gate Reset light is	OFF
CLOSE	The gate	
	-	

☐ CHECK for test acceptance of TRENCH GATE at 2MD1

1.8 Test of ENTRY GATE at 2GE1

CNIK	AI GAIL at 2G	E1	
	VERIFY	INNER Gate at 2GE1 has been inspected	
	PLACE	PEER 11 in Controlled Access (MODE 16)	
	VERIFY	PEER 11 is in Controlled Access	MODE 16
	VERIFY	The Interior gate box Call MCR for exit light is	ON
	VERIFY	The Exterior gate box Controlled Access light is	ON
	OPEN	Gate 2GE1 with Simultaneous Release and #14	
		CA Key	
	VERIFY	Simultaneous Release Buzzer	SOUNDS
	VERIFY	Gate 2GE1 is	OPEN
	VERIFY	Operator Interface sees the gate is	OPEN
	SECURE	The Electric Strike micro switch	MADE
	HOLD	Both of the gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE	Div A micro switch	
	VERIFY	Operator Interface indicates Div A	OPEN
	HOLD	Both of the gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE	Div B micro switch	
	VERIFY	Operator Interface indicates Div B	OPEN
	HOLD	Both of the gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE	The Electric Strike micro switch	
	VERIFY	Operator Interface sees the gate is	OPEN
	CLOSE	The gate	
	VERIFY	Operator Interface sees the gate is	CLOSED
	VERIFY	The gate box Gate Reset light is	OFF

	PLACE VERIFY VERIFY VERIFY OPEN VERIFY CLOSE	PEER 11 in Restricted Access (MODE 17) PEER 11 is in Restricted Access The Interior gate box Call MCR for exit light is The Exterior gate box Restricted Access light is Attempt to open gate 2GE1 with S key is Gate 2GE1 with the #14 RC CA key Gate 2GE1 is Gate 2GE1	MODE 17 OFF ON SUCCESSFUL OPEN			
	PLACE	PEER 11 in Restricted Access (Mode 8)				
	VERIFY	PEER 11 is in Restricted Access	MODE 8			
	VERIFY	The Interior gate box Call MCR for exit light is	OFF			
	VERIFY	The Exterior gate box Restricted Access light is	ON			
	VERIFY	Attempt to open gate 2GE1 with S key is Attempt to open Gate 2GE1 with #14 RC CA key	SUCCESSFUL			
	VERIFY	is	SUCCESSFUL			
	VERIFY	Attempt to open 2GE1 with Blue card	SUCCESSFUL			
	VERIFY	Attempt to open 2GE1 with Brahms Expt. Card	SUCCESSFUL			
	,	is	5000255102			
	VERIFY	Attempt to open 2GE1 with other	FAIL			
		Expt card				
	VERIFY	During attempt with Expt. Card Reader light is	Red			
	DIACE	DEED 11 in Cafe Account (Made 2)				
	PLACE VERIFY	PEER 11 in Safe Access (Mode 2) PEER 11 is in Safe Access	MODE 2			
	VERIFY	The Interior gate box Call MCR for exit light is	ON			
	VERIFY	The Exterior gate box Controlled Access light is	ON			
	VERIFY	Attempt to open gate 2GE1 with Simultaneous				
_		Release and S Key	FAIL			
	VERIFY	Attempt to open gate 2GE1 with Simultaneous				
		Release and # 14 RC CA key	SUCCESSFUL			
	CLOSE	Gate 2GE1				
	☐ CHECK for test acceptance of ENTRY GATE at 2GE1					
Test of TREN	Test of TRENCH GATE at 2MD2					
	VERIFY	Gate has been inspected				
	PLACE	PEER 11 in Controlled Access (MODE 16)				
	VERIFY	PEER 11 is in Controlled Access	MODE 16			
	OPEN	The gate				
	VERIFY	Operator Interface sees the gate is	OPEN			
	HOLD	Both gate micro switches	MADE			
	VERIFY	Operator Interface sees the gate is	CLOSED			
<u>_</u>	RELEASE	Div A micro switch				

VERIFY

VERIFY

VERIFY

CLOSE

VERIFY

HOLD

1.9

Operator Interface indicates Div A

Operator Interface sees the gate is

Operator Interface indicates Div B

Operator Interface sees the gate is

Both gate micro switches

RELEASE Div B micro switch

The gate

OPEN

MADE

OPEN

CLOSED

CLOSED

VERIFY	The gate box Gate Reset light is	OFF
RESET	The gate with #15 RC Sweep key	
VERIFY	Operator Interface sees the gate is	RESET
VERIFY	The gate box Gate Reset light is	ON
OPEN	The gate	
VERIFY	Operator Interface sees the gate is	CLOSED
VERIFY	The gate box Gate Reset light is	OFF
CLOSE	The gate	

☐ CHECK for test acceptance of TRENCH GATE at 2MD2

1.10 Test of INNER GATE at 2GI1 NINER Cate at 2CI1 has been inspected.

	VERIFY	INNER Gate at 2GI1 has been inspected	
	PLACE	PEER 11 in Controlled Access (MODE 16)	
	VERIFY	PEER 11 is in Controlled Access	MODE 16
	VERIFY	The warning lights and LED message: Stop Call	
		MCR for Access X-7400 Stop on both sides of the	
		gate are	ON
	VERIFY	The 2Z1 gate box Controlled Access light is	ON
	OPEN	Gate 2GI1 with Simultaneous Release and #15 CA	
		Key	
	VERIFY	Simultaneous Release Buzzer	SOUNDS
	VERIFY	Gate 2GI1 is	OPEN
	VERIFY	Operator Interface sees the gate is	OPEN
	SECURE	The Electric Strike micro switch	MADE
	HOLD	Both of the gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE	Div A micro switch	
	VERIFY	Operator Interface indicates Div A	OPEN
	HOLD	Both of the gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE	Div B micro switch	
	VERIFY	Operator Interface indicates Div B	OPEN
	HOLD	Both of the gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE	The Electric Strike micro switch	
	VERIFY	Operator Interface sees the gate is	OPEN
	CLOSE	The gate	
	VERIFY	Operator Interface sees the gate is	CLOSED
	VERIFY	The 2Z1 gate box Gate Reset light is	OFF
	RESET	The gate with #15 RC Sweep key at 2Z1 inner gate	
		box	
	VERIFY	Operator Interface sees the gate is	RESET
	VERIFY	The 2Z1 gate box Gate Reset light is	ON
	OPEN	The gate	
	VERIFY	Operator Interface sees the gate is	OPEN
	VERIFY	The 2Z1 gate box Gate Reset light is	OFF
	CLOSE	The gate	
	PLACE	PEER 11 in Controlled Access (MODE 17)	
П	VERIFY	PEER 11 is in Controlled Access	MODE 17
	VERIFY	The 2Z1 gate box Controlled Access light is	ON
			ON
	VERIFY	The warning lights and LED message: Stop Call MCP for Aggest Y 7400 Stop on both sides of the	
		MCR for Access X-7400 Stop on both sides of the	

		gate are	ON
	VERIFY	Attempt to open gate 2GI1 from 2Z1 with the #15	
		RC CA key and Simultaneous Release	FAIL
	VERIFY	Attempt to open gate 2GI1 with Blue Card	FAIL
	PLACE	DEED 11 in Doctricted Access (Mede 9)	
_	VERIFY	PEER 11 in Restricted Access (Mode 8) PEER 11 is in Restricted Access	MODE 8
	VERIFY	The 2Z1 gate box Restricted Access light is	ON
	VERIFY	The LED message: Access Permitted is	ON
	VERIFY	Attempt to open gate 2GI1 from 2Z1 side with S	SUCCESSFUL
		key is	
	VERIFY	Attempt to open Gate 2GI1 with #15 RC CA key	SUCCESSFUL
		is	
	VERIFY	Attempt to open 2GI1 with Blue card	SUCCESSFUL
	VERIFY	Attempt to open 2GI1 with Expt.	FAIL
		card	
	VERIFY	During attempt with Expt. Card Reader light is	RED
	PLACE	PEER 11 in Safe Access (Mode 2)	
	VERIFY	PEER 11 is in Safe Access	MODE 2
_	VERIFY	The 2Z1 gate box Controlled Access light is	ON
		e e	ON
	VERIFY	The warning lights and LED message: Stop Call	
		MCR for Access X-7400 Stop on both sides of the	ON
_	T/DDIET/	gate are	ON
	VERIFY	Attempt to open gate 2GI1 with Simultaneous	T. 4 T.
		Release and S Key	FAIL
	VERIFY	Attempt to open gate 2GI1 with Simultaneous	a
		Release and #15 Key is	SUCCESSFUL
	CLOSE	Gate 2GI1	

1.11 Test OUTER GATE at 2GI1:

PLACE	PEER 11 in Controlled Access (MODE 16)	
VERIFY	PEER 11 is in Controlled Access	MODE 16
VERIFY	The warning lights on both sides of the gate indicate:	
	Call MCR for Crossover Amber	ON
OPEN	The gate	
VERIFY	Operator Interface sees the gate is	OPEN
SECURE	The Electric Strike micro switch	MADE
HOLD	Both of the gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A micro switch	
VERIFY	Operator Interface indicates Div A	OPEN
HOLD	Both of the gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B micro switch	
VERIFY	Operator Interface indicates Div B	OPEN
HOLD	Both of the gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	The Electric Strike micro switch	
VERIFY	Operator Interface sees the gate is	OPEN

[☐] CHECK for test acceptance of OUTER GATE at 2GI1

☐ CHECK for test acceptance of INNER GATE at 1GI1

) VER	INNER Gate at 2GE2 has been inspected	
PLA	PEER 11 in Controlled Access (MODE 16)	
VER	PEER 11 is in Controlled Access	MODE 16
VER	The Interior gate box Call MCR for exit light is	ON
VER	The Exterior gate box Controlled Access light is	ON
OPE	Gate 2GE2 with Simultaneous Release and #14	011
OIL	CA Key	
VER	Simultaneous Release Buzzer	SOUNDS
VER	Gate 2GE2 is	OPEN
VER	Operator Interface sees the gate is	OPEN
SEC		MADE
HOI	Both of the gate micro switches	MADE
VER	Operator Interface sees the gate is	CLOSED
REL		CLOSED
		ODEN
	±	OPEN
HOI	Both of the gate micro switches	MADE
VER	Operator Interface sees the gate is	CLOSED
REL		ODEN
VER	Operator Interface indicates Div B	OPEN
HOI	Both of the gate micro switches	MADE
VER	Operator Interface sees the gate is	CLOSED
REL		_
VER	Operator Interface sees the gate is	OPEN
CLC	The gate	
VER	Operator Interface sees the gate is	CLOSED
PLA	PEER 11 in Controlled Access (MODE 17)	
VER	PEER 11 is in Controlled Access	MODE 17
VER	The Interior gate box Call MCR for exit light is	ON
VER	The Exterior gate box Controlled Access light is	ON
VER	Attempt to open gate 2GE2 from gate box with the	
	S key and Simultaneous Release	FAIL
OPE	Gate 2GE2 with the #14 RC CA key and	
	Simultaneous Release	
VER	Gate 2GE2 is	OPEN
VER CLC	Gate 2GE2 is	OI III
	Guic MOLM	
PLA	PEER 11 in Restricted Access (Mode 8)	
VER	PEER 11 is in Restricted Access	MODE 8
VER	The Interior gate box Call MCR for exit light is	OFF
VER	The Exterior gate box Restricted Access light is	ON
VER	Attempt to open gate 2GE2 with S key is	SUCCESSFUI
) VER	Attempt to open Gate 2GE2 with #14 RC CA key	SUCCESSFUI
	is	
VER	Attempt to open 2GE2 with Blue card	SUCCESSFUL
VER	Attempt to open 2GE2 with Expt.	FAIL
	card	
VER	During attempt with Expt. Card Reader light is	Red
, ,		
	PEER 11 in Safe Access (Mode 2)	
PLA	PEER 11 in Safe Access (Mode 2) PEER 11 is in Safe Access	MODE 2
PLA	PEER 11 in Safe Access (Mode 2) PEER 11 is in Safe Access The Interior gate box Call MCR for exit light is	MODE 2 ON

	0	VERIFY VERIFY CLOSE	Attempt to open gate 2GE2 with Simultaneous Release and S key Attempt to open gate 2GE2 with Simultaneous Release and #14 CA Key Gate 2GE2	FAIL SUCCESSFUL
		CHECK fo	r test acceptance of ENTRY GATE at 2GE2	
1.13 Test o	of Spectr	ometer Tunne	l GATE at 2MD3	
		VERIFY	Gate has been inspected	
		PLACE	PEER 11 in Controlled Access (MODE 16)	
		VERIFY	PEER 11 is in Controlled Access	MODE 16
	_	OPEN	The gate	ODEN
		VERIFY	Operator Interface sees the gate is	OPEN
		HOLD VERIFY	Both gate micro switches Operator Interface sees the gate is	MADE CLOSED
	ш	RELEASE	Div A micro switch	CLOSED
		VERIFY	Operator Interface indicates Div A	OPEN
		HOLD	Both gate micro switches	MADE
		VERIFY	Operator Interface sees the gate is	CLOSED
	_	RELEASE	Div B micro switch	
		VERIFY	Operator Interface indicates Div B	OPEN
		CLOSE	The gate	
		VERIFY	Operator Interface sees the gate is	CLOSED
		VERIFY	The gate box Gate Reset light is	OFF
		RESET	The gate with #15 RC Sweep key	
		VERIFY	Operator Interface sees the gate is	RESET
		VERIFY	The gate box Gate Reset light is	ON
		OPEN	The gate	
		VERIFY	Operator Interface sees the gate is	CLOSED
		VERIFY	The gate box Gate Reset light is	OFF
		CLOSE	The gate	
		□ СНЕСК	for test acceptance of Spectrometer Tunnel GATE	at 2MD3
1 14 Took E	SCADE 1	DOOD at 1ET	1.	
1.14 Test Ex	SCAPE I	DOOR at 2EL: VERIFY	Door has been inspected	
		VERIFY	The door cannot be opened from the	OUTSIDE

1.1

VERIFY	Door has been inspected	
VERIFY	The door cannot be opened from the	OUTSIDE
PLACE	PEER 11 in Controlled Access (MODE 16)	
VERIFY	PEER 11 is in Controlled Access	MODE 16
OPEN	The door	
VERIFY	Operator Interface sees the door is	OPEN
SECURE	The Security Bar micro switch	MADE
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A door micro switch	
VERIFY	Operator Interface indicates Div A	OPEN
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B door micro switch	
VERIFY	Operator Interface indicates Div B	OPEN
HOLD	Both of the door micro switches	MADE

VERIFY	Operator Interface sees the door is	CLOSED
RELEASE	The Security Bar micro switch	
VERIFY	Operator Interface sees the door is	OPEN
	The door and latch the Security Bar	
CLOSE		
VERIFY	The 2EL1 Door Reset light is	OFF
RESET	The Door with #15 RC Sweep key at 2EL1 gate box	
VERIFY	Operator Interface sees the 2EL1 door is	RESET
VERIFY	The 2EL1 Door Reset light is	ON
OPEN	The door	
VERIFY	Operator Interface sees the door is	OPEN
VERIFY	The 2EL1 gate box Gate Reset light is	OFF
CLOSE	The door	

☐ CHECK for test acceptance of Escape Door at 2EL1

1.15 Test of EXIT DOOR 2ED1

VERIFY	Door has been inspected	
VERIFY	The door cannot be opened from the	OUTSIDE
PLACE	PEER 11 in Controlled Access (MODE 16)	
VERIFY	PEER 11 is in Controlled Access	MODE 16
VERIFY	The warning light inside the door indicates: Call	
	MCR for exit	ON
OPEN	The door	
VERIFY	Operator Interface sees the door is	OPEN
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the door is	CLOSED
RELEASE	Div A door micro switch	
VERIFY	Operator Interface indicates Div A	OPEN
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the door is	CLOSED
RELEASE	Div B door micro switch	
VERIFY	Operator Interface indicates Div B	OPEN
CLOSE	The door	
VERIFY	Operator Interface sees the door is	CLOSED
VERIFY	The 2ED1 Door Reset light is	OFF
RESET	The Door with #15 RC Sweep key at 2ED1 gate box	
VERIFY	Operator Interface sees the 2ED1 door is	RESET
VERIFY	The 2ED1 Door Reset light is	ON
OPEN	The door	
VERIFY	Operator Interface sees the door is	OPEN
VERIFY	The 2ED1 gate box Gate Reset light is	OFF
CLOSE	The door	

☐ CHECK for test acceptance of Escape Door at 2ED1

VERIFY PLACE PEER 9 is in Restricted Access (Mode 8)		1.16	I Cot .	IINEK GATI	E at 3GI1:	
VERIFY PEER 9 is in Restricted Access (MODE 16)				VERIFY		
PLACE PEER 11 in Controlled Access (MODE 16)					` ,	
VERIFY PEER II is in Controlled Access MODE 16 VERIFY The warning lights and LED message: Access Permitted on both sides of the gate are ON VERIFY Operator Interface sees the gate is OPEN CLOSE The gate CHECK for test acceptance of INNER GATE at 3GII PLACE PEER II in Controlled Access (MODE 16) VERIFY PEER II is in Controlled Access (MODE 16) VERIFY The warning light on 3ZI side of the indicates: Call MCR for crossover is OFF OPEN The gate OPEN CLOSE The gate OPEN CLOSE The gate OPEN OPEN OPEN CLOSE The gate OPEN OPEN OPEN CLOSE The gate OPEN OPEN OPEN OPEN CLOSE The gate OPEN OPEN OPEN OPEN CLOSE The gate OPEN OPEN				VERIFY		MODE 8
VERIFY The warming lights and LED message: Access Permitted on both sides of the gate are ON					` ,	
Permitted on both sides of the gate are						MODE 16
OPEN The gate VERIFY Operator Interface sees the gate is OPEN CLOSE The gate VERIFY OPERATOR OPEN OPEN OPEN OPEN OPEN OPEN OPEN OPEN				VERIFY		
UVERIFY Operator Interface sees the gate is CLOSED CLOSE The gate CLOSE CLOSED CHECK for test acceptance of INNER GATE at 3G11 CHECK for test acceptance of INNER GATE at 3G11 CHECK for test acceptance of INNER GATE at 3G11 PLACE						ON
CLOSE VERIFY Operator Interface sees the gate is CLOSED CHECK for test acceptance of INNER GATE at 3GH						0.777
VERIFY Operator Interface sees the gate is CLOSED					· ·	OPEN
CHECK for test acceptance of INNER GATE at 3GI1 1.17 Test OUTER GATE at 3GI1:			_			CL OSED
L.17 Test OUTER GATE at 3G11: PLACE			Ш	VERIFY	Operator Interface sees the gate is	CLOSED
PLACE PEER 11 is in Controlled Access (MODE 16) VERIFY PEER 11 is in Controlled Access MODE 16 VERIFY PEER 11 is in Controlled Access OFF				□ СНЕСК	for test acceptance of INNER GATE at 3GI1	
□ VERIFY PEER 11 is in Controlled Access MODE 16 □ VERIFY The warning light on 3Zl side of the indicates: Call MCR for crossover is □ OPEN The gate □ VERIFY Operator Interface sees the gate is □ CLOSE The gate □ VERIFY Operator Interface sees the gate is □ CLOSE The gate □ VERIFY Operator Interface sees the gate is □ CLOSED □ CHECK for test acceptance of OUTER GATE at 3GI1 1.18 Test of Iris Scanner and Local Keytree located in BRAHMS Expt Trailer (BET) with entry at Gates 2GE1and 2GE2 □ PLACE PEER 11 is in CA, Mode 16 □ VERIFY PEER 11 is in CA MODE 16 SCAN Valid Personnel with Iris Scanner in BRAHMS Expt Trailer (BET) □ VERIFY Valid Personnel is RECOGNIZED □ VERIFY Attempt to enter 2GE1 with BRAHMS key and SR is SUCCESSFUL SCAN Valid Personnel with Iris Scanner at BET □ VERIFY Attempt to release third BRAHMS key in Local keytree at BET □ VERIFY Valid Personnel with Iris Scanner at BET □ VERIFY Attempt to release third BRAHMS key in Local keytree at BET □ VERIFY Attempt to release second BRAHMS key in Local keytree at BET □ VERIFY Attempt to release second BRAHMS key in Local keytree at BET □ VERIFY Attempt to release second BRAHMS key in Local keytree at BET □ VERIFY Attempt to release second BRAHMS key in Local keytree at BET □ VERIFY Attempt to release second BRAHMS key in Local keytree at BET □ VERIFY Attempt to release second BRAHMS key in Local keytree at BET □ VERIFY Attempt to release second BRAHMS key in Local keytree at BET □ VERIFY Attempt to release second BRAHMS key in Local keytree at BET □ VERIFY Attempt to release second BRAHMS key in Successful.	1.17 T	est OUT	ER G		PEED 11 in Controlled Access (MODE 16)	
VERIFY			П			MODE 16
MCR for crossover is OFF						
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□ VERIFY Local keytree at BET Attempt to enter 2GE1 with second BRAHMS key and SR is SUCCESSFUL □ VERIFY Attempts to enter 2GE2 with First □ and Second □ BRAHMS keys and SR are SUCCESSFUL				PLACE VERIFY SCAN VERIFY VERIFY SCAN VERIFY VERIFY	PEER 11 in CA, Mode 16 PEER 11 is in CA Valid Personnel with Iris Scanner in BRAHMS Expt Trailer (BET) Valid Personnel is First BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with BRAHMS key and SR is Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release third BRAHMS key in Local keytree at BET is Valid Personnel with Iris Scanner at BET	MODE 16 RECOGNIZED RELEASED SUCCESSFUL RECOGNIZED UNSUCCESSFUL
□ VERIFY Attempt to enter 2GE1 with second BRAHMS key and SR is SUCCESSFUL □ VERIFY Attempts to enter 2GE2 with First □ and Second □ BRAHMS keys and SR are SUCCESSFUL				PLACE VERIFY SCAN VERIFY VERIFY SCAN VERIFY SCAN VERIFY	PEER 11 in CA, Mode 16 PEER 11 is in CA Valid Personnel with Iris Scanner in BRAHMS Expt Trailer (BET) Valid Personnel is First BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with BRAHMS key and SR is Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release third BRAHMS key in Local keytree at BET is Valid Personnel with Iris Scanner at BET	MODE 16 RECOGNIZED RELEASED SUCCESSFUL RECOGNIZED UNSUCCESSFUL
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□ VERIFY Attempts to enter 2GE2 with First □ and Second □ BRAHMS keys and SR are SUCCESSFUL				PLACE VERIFY SCAN VERIFY VERIFY SCAN VERIFY VERIFY VERIFY	PEER 11 in CA, Mode 16 PEER 11 is in CA Valid Personnel with Iris Scanner in BRAHMS Expt Trailer (BET) Valid Personnel is First BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with BRAHMS key and SR is Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release third BRAHMS key in Local keytree at BET is Valid Personnel with Iris Scanner at BET Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release second BRAHMS key in Local keytree at BET	MODE 16 RECOGNIZED RELEASED SUCCESSFUL RECOGNIZED UNSUCCESSFUL RECOGNIZED
Second □ BRAHMS keys and SR are SUCCESSFUL				PLACE VERIFY SCAN VERIFY VERIFY SCAN VERIFY VERIFY VERIFY	PEER 11 in CA, Mode 16 PEER 11 is in CA Valid Personnel with Iris Scanner in BRAHMS Expt Trailer (BET) Valid Personnel is First BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with BRAHMS key and SR is Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release third BRAHMS key in Local keytree at BET is Valid Personnel with Iris Scanner at BET Valid Personnel with Iris Scanner at BET Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release second BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with second BRAHMS	MODE 16 RECOGNIZED RELEASED SUCCESSFUL RECOGNIZED UNSUCCESSFUL RECOGNIZED SUCCESSFUL
Second □ BRAHMS keys and SR are SUCCESSFUL				PLACE VERIFY SCAN VERIFY VERIFY SCAN VERIFY VERIFY VERIFY	PEER 11 in CA, Mode 16 PEER 11 is in CA Valid Personnel with Iris Scanner in BRAHMS Expt Trailer (BET) Valid Personnel is First BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with BRAHMS key and SR is Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release third BRAHMS key in Local keytree at BET is Valid Personnel with Iris Scanner at BET Valid Personnel with Iris Scanner at BET Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release second BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with second BRAHMS	MODE 16 RECOGNIZED RELEASED SUCCESSFUL RECOGNIZED UNSUCCESSFUL RECOGNIZED SUCCESSFUL
				PLACE VERIFY SCAN VERIFY VERIFY SCAN VERIFY VERIFY VERIFY VERIFY	PEER 11 in CA, Mode 16 PEER 11 is in CA Valid Personnel with Iris Scanner in BRAHMS Expt Trailer (BET) Valid Personnel is First BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with BRAHMS key and SR is Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release third BRAHMS key in Local keytree at BET is Valid Personnel with Iris Scanner at BET Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release second BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with second BRAHMS key and SR is	MODE 16 RECOGNIZED RELEASED SUCCESSFUL RECOGNIZED UNSUCCESSFUL RECOGNIZED SUCCESSFUL
				PLACE VERIFY SCAN VERIFY VERIFY SCAN VERIFY VERIFY VERIFY VERIFY	PEER 11 in CA, Mode 16 PEER 11 is in CA Valid Personnel with Iris Scanner in BRAHMS Expt Trailer (BET) Valid Personnel is First BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with BRAHMS key and SR is Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release third BRAHMS key in Local keytree at BET is Valid Personnel with Iris Scanner at BET Valid Personnel with Iris Scanner at BET Valid Personnel is Attempt to release second BRAHMS key in Local keytree at BET Attempt to enter 2GE1 with second BRAHMS key and SR is Attempts to enter 2GE2 with First □ and	MODE 16 RECOGNIZED RELEASED SUCCESSFUL RECOGNIZED UNSUCCESSFUL RECOGNIZED SUCCESSFUL SUCCESSFUL

November 29, 2004

		REPLACE VERIFY PLACE VERIFY	First and second BRAHMS keys in local keytree at BET First BRAHMS key □ and Second BRAHMS key □ PEER 11 in Controlled Access (XA), Mode 17 PEER 11 is in XA	REPLACED MODE 17
		SCAN VERIFY	Valid Personnel with Iris Scanner at BET Valid Personnel is	RECOGNIZED
		VERIFY	First BRAHMS key in Local keytree BET remains	CAPTURED
		PLACE VERIFY	PEER 11 in Restricted Access (Mode 8) PEER 11 is in Restricted Access	MODE 8
			test acceptance of Test of Iris Scanner and Loc Expt Trailer (BET) with entry at Gates 2GE1an	
			END OF TEST PROCEDURE	
TTL: Sign for c	omplet	tion of initial t	esting:	
			Date:	
TTL: Sign for c	omplet	tion of final tes	sting:	
			Date:	